

# **Colloquium**

## **A day spent in flatland**

**Akshay Singh**

**MIT, USA**

Join me in the journey to the wonderful world of flatland, where materials are two-dimensional but hold many promises. These 2D materials demonstrate high optical absorption, enhanced catalytic activity and new emerging physics. We will explore various opto-electronic, biological and chemical applications. Not all is well in flatland though, with defects galore. We will see how optical spectroscopy can measure disorder as well as fundamental dynamics, and that defects in these materials can be both harmful and useful.

***Wednesday, Nov 21<sup>st</sup> 2018***

***11:30 AM (Tea/Coffee at 11:00 AM)***

***Seminar Hall, TIFR-H***